



**Computing Devices
International**

8800 Queen Avenue South
Bloomington, Minnesota 55431-1996

22 October 1997

DARPA/TTO
3701 No. Fairfax Drive
Arlington, VA 22203-1714

Attention: Dr. Mark A. McHenry
Subject: CDRL A001 Submittal; Monthly Technical Status Report
Reference: Contract No. MDA972-97-C-0050


Dear Dr. McHenry:

Enclosed by Computing Devices International is the subject CDRL A001, entitled "Monthly Technical Status Report", for the month of September 1997.

The aforementioned CDRL A001 is submitted as a requirement under the reference DARPA contract.

Please contact the undersigned for all contractual or financial questions at 612/291-6480.

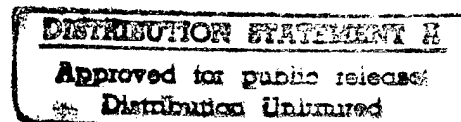
Sincerely,

CERIDIAN CORPORATION
Computing Devices International

Gary L. Ingram
Manager, C4I Contracts

cc: Elaine Ely, Contracting Officer
DARPA/CMO
3701 No. Fairfax Drive
Arlington, VA 22203-1714

DCMC - Twin Cities
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Bloomington, MN 55425
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8725 John J. Kingman Road
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Monthly Technical Status Report for Period 1 September to 30 September 1997
SAS Program, Contract # MDA9722-97-C-0050
CDRL A001

Activity surrounding Open Review #1 dominated performance during the month of October -- including not only preparation for, and attendance at the review, but also extensive replanning resulting from the strong reaction to the level of material presented by Computing Devices.

The debrief of our presentation for the Open Review was unexpected -- stating that the perception of the government review team was that the level of detail presented did not appear to reflect a substantive improvement over the proposal submitted. Notwithstanding our concerns regarding not fully meeting expectations for the briefing, we left with a much better appreciation for the SAS level of detail sought as a result of this Open Review process.

Open Review #1 results have prompted our team to effect a change in plans -- we began to immediately concentrate on a more detailed SAS to insure we were positioned to be as compliant as possible with expectations for Open Review #2. As a result, we have slipped some of the report requirements from our original schedule until after the November Open Review so as to not detract from SAS OR#2 preparations, as much as practical. The Final Trade Study Report will continue in parallel in support of SAS definition with the plan to submit prior to the Open Review. In addition, the Systems Specification and Systems Concept documents will also continue to evolve as a result of the progress sustained in SAS definition.

Progress in the communications area has been the most substantial because our team had such a significant body of work that fed the proposal effort as well as the continued Phase I refinement of the original approach. It is also an area receiving large emphasis based on how we've partitioned the scope. The situation awareness area has required significant new effort post proposal and is now coming together as we detail functionality. The IWS and geolocation efforts were started "late" with respect to the Communications and Situation Awareness efforts. These are areas that also required substantial additional work from their state in the proposal and are now beginning to achieve the level of definition sought. Again, like the communications component, our geolocation base is very strong given significant leverage through the DARPA sponsored Low Power GPS program.

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